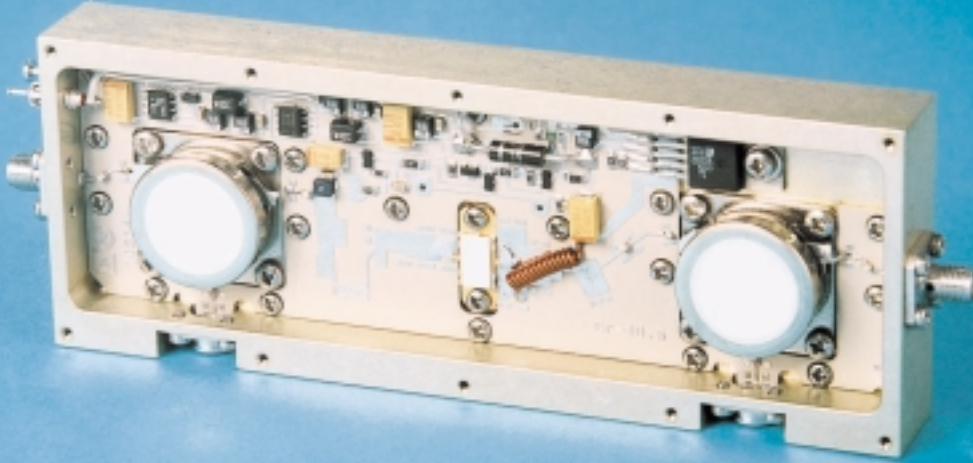


# 10 W BOOSTER AMPLIFIER EXTENDS POWER CAPABILITY OF DCS MICROCELL BASE STATIONS



# PDF.Support

## GENERAL INFORMATION

DML Microwave offer customers a flexible service which enables new products to be available in production quantities at very short notice. This Booster Amplifier to increase the power capability of DCS1800 Microcell Base Stations. The product is compact in size and highly efficient and has satisfied the GSM 11.21 requirements. The reliability of these amplifiers has been proven in the field, a large number have already been installed.

## FEATURES

- Class A Operation
- Integral Isolators
- +12 Volt Operation
- Small Mechanical Outline
- Short delivery lead time
- Low Cost
- GSM option available
- Lower/Higher Gain Options Available

## SPECIFICATIONS

Frequency Range	1805 to 1880 MHz
Small Signal Gain	8.0 - 10.0 dB (over all operating conditions)
Gain Variation with Frequency	+/- 0.25 dB max.
Gain Variation with Temperature at -40 °C to +85 °C	+/- 0.75 dB max.
Output Power at -1dB Compression at +25 °C case temperature	+ 40.0 dBm min. +41.0 dBm typ.
Noise Figure	10.0 dB max.
Input / Output VSWR	1.30:1 max. (Integral Isolators) 50 ohms
Supply Voltage	+ 12.0 Volts +/- 0.5 Volts
Supply Current	2.8 Amps max. 2.5 Amps typ.
Operating Temperature Range (case)	- 40 °C to + 85 °C
Storage Temperature Range	- 40 °C to + 70 °C
Humidity	Up to 95% non-condensing
RF Connectors	SMA Female

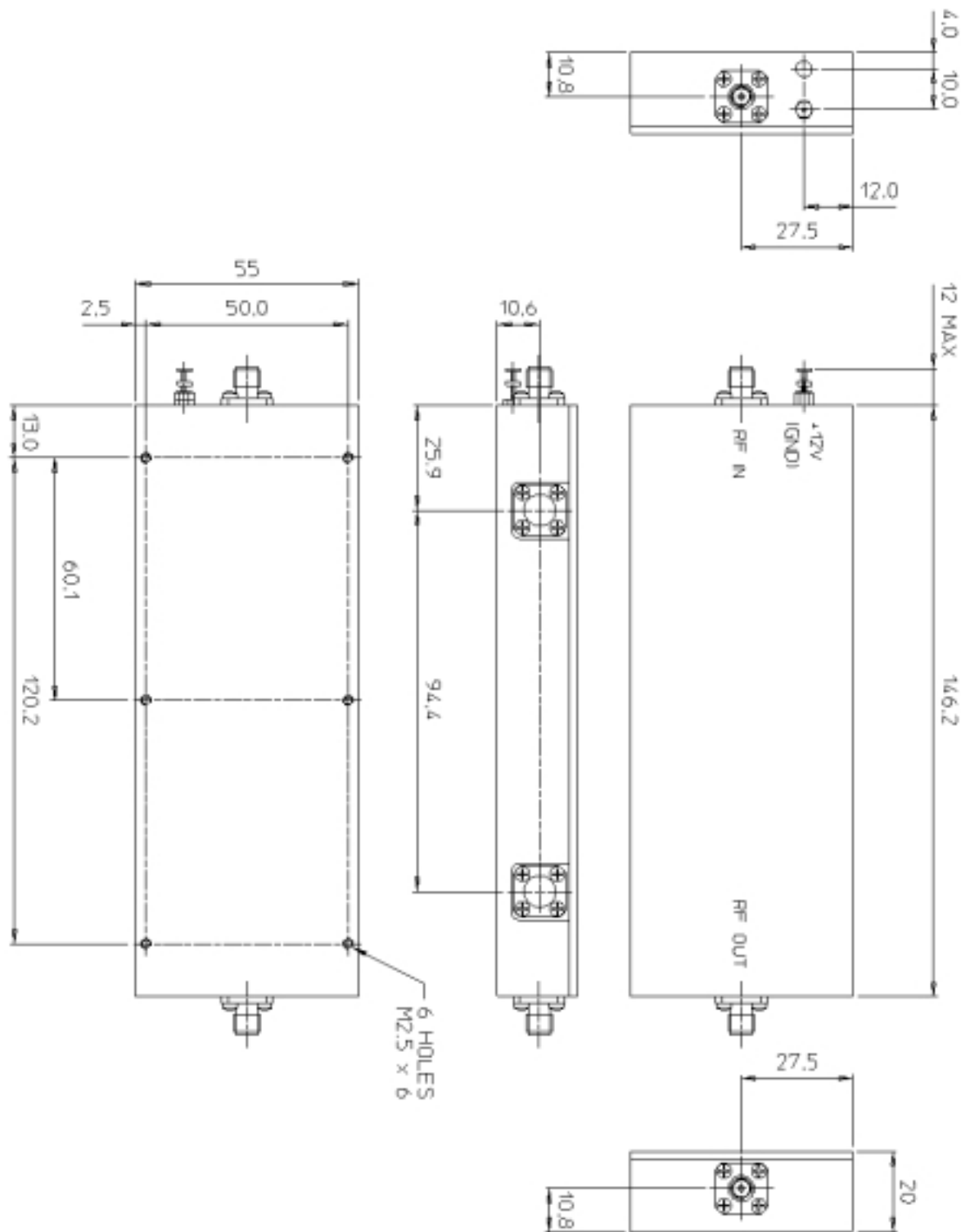
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# BLOCK DIAGRAM & MECHANICAL OUTLINE



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